

Bringing You State-of-the-art HMI, Control and Communication Solutions

Digital/Pro-face, the global
market leader in HMI panels

- Graphic
Operator Interfaces
GP SERIES
- Graphic
Logic Controllers
GLC/LT SERIES
- Multi-protocol Gateway
Factory Gateway
- Industrial PCs
PL SERIES
- Windows® CE
Industrial PCs
PS SERIES
- Industrial Flat
Panel Monitors
FP SERIES
- Data Collection
and Web Operation
Pro-face Factory Software
- Multiplatform
HMI Development
Pro SERIES Software



Corporate and Product Guide

2004

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Total Pro-face HMI Solution - From Supervisory to I/O level

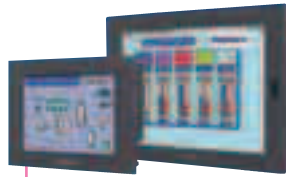
Remote Monitoring



Industrial Panel Computer **PL SERIES**

IBM Compatible Industrial
Panel Computer

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PS SERIES Type G Windows CE Industrial Panel Computer

Flat Panel Display **FP SERIES**

Flat Panel Display Monitor
with touch operation

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Multi-platform HMI Development **Pro-Designer**

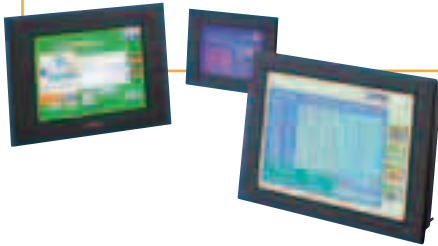


Operator Interface

Graphic Display Panel **GP SERIES**

Programmable Operator Interface

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Software



GP-PRO/PBIII C-Package
Screen Editor/
Logic Program Software



**Pro-Server
with Pro-Studio**
Data Collection
Software



GP-Web
Web Operation
Software

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Multi-protocol Gateway **Factory Gateway**



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Smart Touch **ST SERIES**



I/O Control

Graphic Logic Controller **LT SERIES**

Programmable Operator
Interface with I/O Control

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Graphic Logic Controller **GLC SERIES**

Programmable Operator Interface
with I/O Control

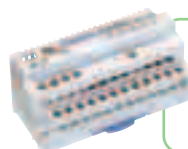
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Remote I/O System

Flex Network SERIES



Graphic Operator Interfaces

Revolutionizing Manufacturing Information Management

All GP Series models graphically display real-time data from host controllers using screen-based switches, lights, numerical displays and alarms. They also allow various PLCs from makers around the world to be accessed without specialized programming. High-end models have built-in Ethernet and Internet communication features, allowing you to improve productivity in virtually any production system.

GP
SERIES

GP-2500L/
GP-2501L



GP-2500T

GP-2500S



GP-2400T/GP-2401T



GP-2600T

A wide 12.1-inch screen
easily shows large amounts of information.

GP-2600T



- Screen Size: 12.1 inch
- Resolution: 800 x 600 pixels
- Display Type: TFT Color LCD
- Display Colors: 256

The de-facto standard for your production IT needs.
State-of-the-art features provide a wide range of solutions.

GP-2500T



- Screen Size: 10.4 inch
- Resolution: 640 x 480 pixels
- Display Type: TFT Color LCD
- Display Colors: 256

Easy-to-read Monochrome LCD.
Feature-packed unit that is easy on your budget.

GP-2500L/2501L



- Screen Size: 10.4 inch
- Resolution: 640 x 480 pixels
- Display Type: Monochrome LCD
- Display Colors: Black and White

Bright STN Color LCD.
The perfect fit for a wide range of applications.

GP-2500S



- Screen Size: 10.4 inch
- Resolution: 640 x 480 pixels
- Display Type: STN Color LCD
- Display Colors: 64

High-performance compact model that packs
a variety of features into the industry's first 7.4-inch display unit.

GP-2400T/2401T



- Screen Size: 7.4 inch
- Resolution: 640 x 480 pixels
- Display Type: TFT Color LCD
- Display Colors: 256

Ethernet
Interface

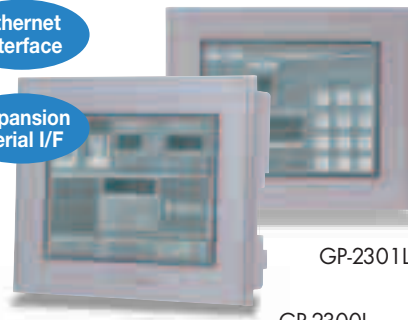
Expansion
Serial I/F



GP-2301T
GP-2300T

Ethernet
Interface

Expansion
Serial I/F



GP-2301L
GP-2300L

GP-2300T/2301T

- Screen Size: 5.7 inch
- Resolution: 320 x 240 pixels
- Display Type: TFT Color LCD
- Display Colors: 256



GP-2300S/2301S

- Screen Size: 5.7 inch
- Resolution: 320 x 240 pixels
- Display Type: STN Color LCD
- Display Colors: 64



GP-2300L/2301L

- Screen Size: 5.7 inch
- Resolution: 320 x 240 pixels
- Display Type: Monochrome LCD
- Display Colors: Black and White



GP-477RE

- Screen Size: 8.9 inch
- Resolution: 640 x 400 pixels
- Display Type: High Intensity EL
- Display Colors: Amber



GP-37W2B/W3B

- Screen Size: 5.7 inch
- Resolution: 320 x 240 pixels
- Display Type: Monochrome
Blue-mode LCD
- Display Colors: Blue and White



Smartouch



ST-400/401/402

- Screen Size: 3.8 inch
- Resolution: 320 x 240 pixels
- Display Type: Monochrome
- Display Colors: Amber



Hand-held Models



GP-2301HS/2301HL

- Screen Size: 5.7 inch
- Resolution: 320 x 240 pixels
- Display Type: STN Color LCD (GP-2301HS)
Monochrome LCD (GP-2301HL)
- Display Colors: 64 (GP-2301HS)
Black and White (GP-2301HL)



GP-2401HT

- Screen Size: 6.5 inch
- Resolution: 640 x 480 pixels
- Display Type: TFT Color LCD
- Display Colors: 256



Specifications

		GP2000 Series												GP2000H Series (Hand-held)			ST Series			GP77R Series	GP77 Series			
		GP-2600T	GP-2500T	GP-2500S	GP-2500L	GP-2501L	GP-2400T	GP-2401T	GP-2300T	GP-2301T	GP-2300S	GP-2301S	GP-2300L	GP-2301L	GP-2401HT	GP-2301HS	GP-2301HL	ST-400	ST-401	ST-402	GP-477RE	GP-37W2B	GP-37W3	
Model Number		GP2600-TC41-24V	GP2500-TC41-24V	GP2500-SC41-24V	GP2500-LG41-24V	GP2501-LG41-24V	GP2400-TC41-24V	GP2401-TC41-24V	GP2300-TC41-24V	GP2301-TC41-24V	GP2300-SC41-24V	GP2301-SC41-24V	GP2300-LG41-24V	GP2301-LG41-24V	GP2401H-TC41-24V	GP2301H-SC41-24V	GP2301H-LG41-24V	ST400-AG41-24V	ST401-AG41-24V	ST402-AG41-24V	GP477R-EG41-24VP	GP37W2-BG41-24V	GP37W3-BG41-24V	
External Dimensions (mm)		317W x 243H x 58D					215W x 170H x 60D			171W x 138H x 60D						253W x 185H x 58D (Does not include CF card interface guard or emergency stop switch guard)			130W x 104H x 41D	130W x 104H x 41D	130W x 104H x 41D	274W x 216H x 56.5D	207W x 157H x 58D	207W x 157H x 58D
Screen Size (inch)		12.1 TFT Color LCD	10.4 TFT Color LCD	10.4 STN Color LCD	10.4 Mono-chrome LCD	10.4 Mono-chrome LCD	7.4 TFT Color LCD	7.4 TFT Color LCD	5.7 TFT Color LCD	5.7 TFT Color LCD	5.7 STN Color LCD	5.7 STN Color LCD	5.7 Mono-chrome LCD	5.7 Mono-chrome LCD	6.5 TFT Color LCD	5.7 STN Color LCD	5.7 Mono-chrome LCD	3.8 Mono-chrome Amber	3.8 Mono-chrome Amber	3.8 Mono-chrome Amber	8.9 High Intensity EL	5.7 Mono-chrome Blue-mode LCD	5.7 Mono-chrome Blue-mode LCD	
Display Resolution		800 x 600	640 x 480						320 x 240						640 x 480	320 x 240		320 x 240	320 x 240	320 x 240	640 x 400	320 x 240	320 x 240	
Display Colors		256 Colors / 64 Colors with Blinking*1		64 Colors	Black and White	Black and White	256 Colors / 64 Colors with Blinking*1				64 Colors	64 Colors	Black and White	Black and White	256 / 64 Colors with Blinking*1		64 Colors	Black and White	Amber	Amber	Amber	Amber	Blue and White	Blue and White
Touch Panel	Resistive Film	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
	Memory	Application		4MB FEPRM			2MB FEPRM	4MB FEPRM	2MB FEPRM		1MB FEPRM	2MB FEPRM	1MB FEPRM	2MB FEPRM	1MB FEPRM	2MB FEPRM	1MB FEPRM		640KB FEPRM	640KB FEPRM	640KB FEPRM	2MB FEPRM	1MB FEPRM	4MB FEPRM
	Data Backup	256KB SRAM				128KB SRAM	256KB SRAM	128KB SRAM	256KB SRAM	128KB SRAM	256KB SRAM	128KB SRAM	256KB SRAM	128KB SRAM				96KB SRAM			96KB SRAM			
External Interfaces	Serial Interface (RS-232C/422)	D-sub 25-pin												D-sub 25-pin			D-sub 9-pin	D-sub 9-pin	D-sub 9-pin (MPI)	D-sub 25-pin				
	Expansion Serial Interface (RS-232C)	D-sub 9-pin				—	D-sub 9-pin	—	D-sub 9-pin	—	D-sub 9-pin	—	D-sub 9-pin	—	—	—	—	—	—	D-sub 9-pin	—	—	—	
	Tool Connector	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
	CF Card	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	—	—	—	Yes*2	—	—	
	Ethernet (10 Base-T)	Yes	Yes	Yes	Yes	—	Yes	—	Yes	—	Yes	—	Yes	—	—	—	—	—	—	—	Yes*2*3	—	—	
	Sound	Yes	Yes	Yes	Yes	—	Yes	—	—	—	—	—	—	—	—	—	—	—	—	—	Yes*2	—	—	
	Video Mix	Yes*4	Yes*4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	Printer Interface	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	—	Yes	—	Yes	—	—	—	—	—	—	—	Yes	—	—	
	AUX	Yes	Yes	Yes	Yes	Yes	Yes	Yes	—	—	—	—	—	—	—	—	—	—	—	—	Yes*5	—	—	
	Buzzer Output	Yes	Yes	Yes	Yes	Yes	Yes	Yes	—	—	—	—	—	—	Yes	Yes	Yes	—	—	—	Yes	Yes	Yes	
External Output	D-OUT (2-points)	—	—	—	—	—	—	—	—	—	—	—	—	Yes	Yes	Yes	—	—	—	—	—	—		
	3-contact Emergency Switch Output	—	—	—	—	—	—	—	—	—	—	—	—	Yes	Yes	Yes	—	—	—	—	—	—		
	3-position Enable Switch Output	—	—	—	—	—	—	—	—	—	—	—	—	Yes	Yes	Yes	—	—	—	—	—	—		
Screen Editor and Logic Program “GP-PRO/PBIII C-Package”		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	—	
Data Collection “Pro-Server with Pro-Studio”		Yes	Yes	Yes	Yes	—	Yes	—	Yes	—	Yes	—	Yes	—	—	—	—	—	—	—	Yes*2*3	—	—	
Web Operation “GP-Web”		Yes	Yes	Yes	Yes	—	Yes	—	Yes	—	Yes	—	Yes	—	—	—	—	—	—	—	Yes*2*3	—	—	
Multi-platform HMI Software pro-designer		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Yes	

*1 In 256-color display mode, blinking is not available. Please use 64-color mode if blinking is required.

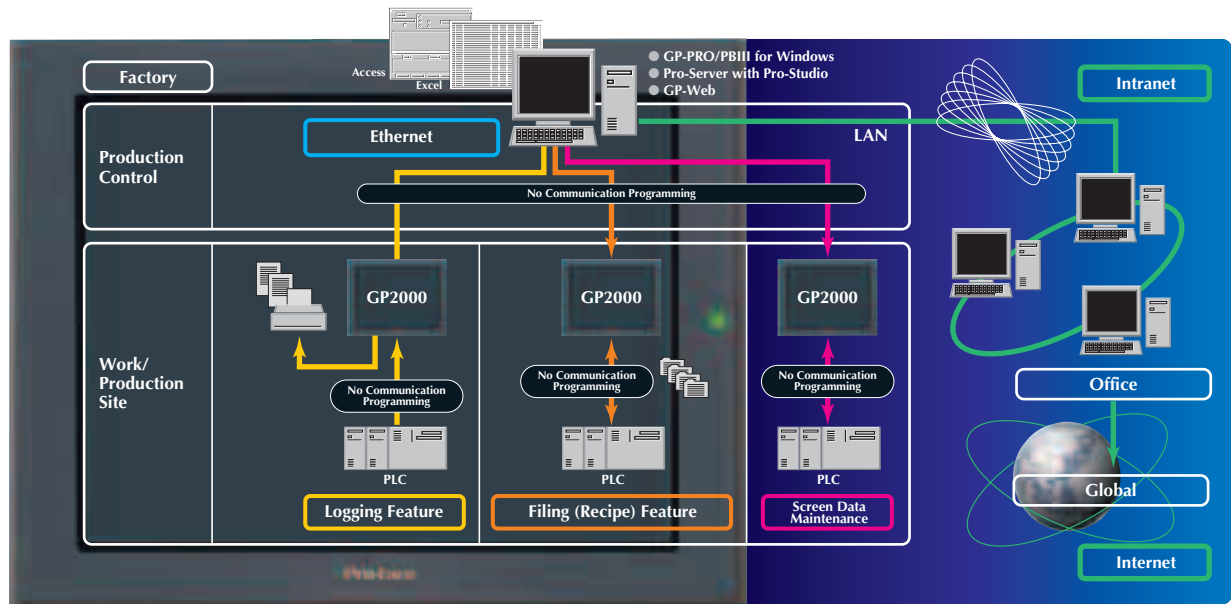
*2 Multi Unit E (GP077-MLTE41) is required.

*3 Ethernet Unit (GP070-ET41) is required.

*4 GP2000 VM Unit (GP2000-VM41) is required.

*5 Inching output (8 points) is supported.

GP2000 Series System Construction



Network Interface Units

Various PLCs are supported with the following I/F Units.
Please ask Pro-face about connectable PLCs which are not mentioned here.

CanOpen I/F Unit



CA1-COSALL-21(Supported Units: GP2000 Series)
GP377-CO21(Supported Units: GP37W2/77/77R Series)

ex. Connectable PLCs

Beckhoff	TwinCat Soft PLC
CodeSys	Soft PLC

Interbus Slave Unit



GP377-IB21(Supported Units: GP37W2/77/77R Series)
GP070-IB41 (Supported units: GP477R/577Series)

ex. Connectable PLCs

SIEMENS	SIMATIC S7-400 Series
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DeviceNet Slave Unit



CA1-DNSALL-21(Supported Units: GP2000 Series)
GP377-DN21(Supported Units: GP37W2/77/77R Series)

ex. Connectable PLCs (Universal Protocol Method)*1

Omron	SYSMAC-CS1, CJ
Hitachi	S10mini
Yokogawa	FA-M3
Rockwell (Allen-Bradley)	SLC500 Series PLC-5 Series Control Logix 5550 Micro Logic 1500

PROFIBUS-DP Slave Unit



CA1-PFSALL-21(Supported Units: GP2000 Series)
GP377-PF21(Supported Units: GP37W2/77/77R Series)

ex. Connectable PLCs

SIEMENS	S7-400 Series SIMATIC S7-300 Series
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Video Module Unit



GP2000-VM41(Supported Units: GP2500T/2600T, GLC2600T)

- Supported Software: GP-PRO/PBIII
for Windows Ver. 5.0 or Higher
- External Interfaces: Video input (NTSC/PAL x 4ch)
RGB input (VGA, SVGA)
RGB output (VGA, SVGA)

Note

- GP070-ET41 supports GP47x/57x/675 models.
- GP377-CO21/DN21/PF21/IB21 require the Bus Conversion Unit, GLC300-BCB41, for use with GP47x and GP57x.

*1 PLC types, which have been evaluated using the universal protocol method.
The communication supports the I/O transfer functions.
GP can be connected with various DeviceNet equipment.

Graphic Logic Controllers

The Perfect Solution for Operation, Monitoring and Control Applications

Pro-face's GLC Series models are innovative operator interfaces that combine operation and control functions. This allows programless connections with devices such as temperature controllers and remote I/O terminals. These compact LT Series models are best suited for small-scale systems and stand-alone machines.

GLC
SERIES

NEW

GLC-2500T



GLC-2600T

GLC-2400T



Graphic Logic Controller



GLC-2300L

GLC-2500T CE UL cUL

- Screen Size: 10.4 inch
- Resolution: 640 x 480 pixels
- Display Type: TFT Color LCD
- Display Colors: 256

GLC-2600T CE UL cUL

- Screen Size: 12.1 inch
- Resolution: 800 x 600 pixels
- Display Type: TFT Color LCD
- Display Colors: 256

GLC-2300T

GLC-2400T CE UL cUL

- Screen Size: 7.4 inch
- Resolution: 640 x 480 pixels
- Display Type: TFT Color LCD
- Display Colors: 256

GLC-2300T/GLC-2300L CE UL cUL

- Screen Size: 5.7 inch
- Resolution: 320 x 240 pixels
- Display Type: TFT Color LCD (GLC-2300T), Monochrome LCD (GLC-2300L)
- Display Colors: 256 (GLC-2300T), Black and White (GLC-2300L)

LT
SERIES

A New Idea in Machine Control

The compact LT Series models are best suited for small-scale systems and stand-alone machines.



GLC-150B/150S CE UL cUL

- Screen Size: 5.7 inch
- Resolution: 320 x 240 pixels (QVGA)
- Display Type: Blue mode monochrome LCD (GLC-150B), STN color LCD (GLC-150S)
- Display Colors: Blue and White (GLC-150B), 64 Colors (GLC-150S)



NEW

Type A

Built-in DIO (Source output)
Type

16 input and 16 output points allow you to easily integrate the LT into your current system



Type B

Built-in Remote I/O Interface (Flex Network I/F)

Connect up to 1008 I/O points, over 400 meters using 2 channels, each with up to 63 nodes. (6Mbps, 2ch)



Type C

Built-in SIO + Remote I/O Interface (Flex Network I/F)

Use the built-in SIO I/F with your Flex Network system.



Type D

Built-in DeviceNet (Flex Network I/F)

This unit can set as a DeviceNet Network master unit.



Type H-AD

Built-in 32-point DIO
+ 2-point AD/1-point DA

Type H-ADT

Built-in 32-point DIO
+ 2-point AD/2-point DA
+3-point Thermocouple Input

Type H-ADP

Built-in 32-point DIO
+ 2-point AD/2-point DA
+2-point Pt100 Input

Easy to:

- Control pressure and flow
- Set positioning
- Monitor temperature, etc.



■ GLC Specifications

GLC Series		2600T	2500T	2400T	2300T	2300L
Model Number		GLC2600-TC41-24V	GLC2500-TC41-24V	GLC2400-TC41-24V	GLC2300-TC41-24V	GLC2300-LG41-24V
External Dimensions (mm)		317W x 243H x 58D	317W x 243H x 58D	215W x 170H x 60D	171W x 138H x 60D	171W x 138H x 60D
Screen Size (inch)		12.1 (TFT Color LCD)	10.4 (TFT Color LCD)	7.4 (TFT Color LCD)	5.7 (TFT Color LCD)	5.7 (Monochrome LCD)
Display Resolution		800 x 600	640 x 480	640 x 480	320 x 240	320 x 240
Display Colors		256 ¹	256 ¹	256 ¹	256 ¹	Black & White
Touch Panel	Resistive Film	Yes	Yes	Yes	Yes	Yes
Memory	Application	4MB EPROM	4MB EPROM	4MB EPROM	2MB EPROM	2MB EPROM
	Data Backup	256KB SRAM	256KB SRAM	256KB SRAM	256KB SRAM	256KB SRAM
Control Memory	Program Area	128KB EPROM	128KB EPROM	128KB EPROM	128KB EPROM	128KB EPROM
	Variable Data Area	32KB SRAM	64KB SRAM	32KB SRAM	32KB SRAM	32KB SRAM
External Interfaces	Serial Interface (RS-232C/422) ²	Yes	Yes	Yes	Yes	Yes
	Expansion Serial Interfaces (RS-232C)	Yes	Yes	Yes	Yes	Yes
	Ethernet	Yes	Yes	Yes	Yes	Yes
	CF Card	Yes	Yes	Yes	Yes	Yes
	Sound	Yes	Yes	Yes	—	—
	AUX	Yes	Yes	—	—	—
	Printer Interface ³	Yes	Yes	Yes	—	—
	Tool Connector	Yes	Yes	Yes	Yes	Yes
	Flex Network	Yes	Yes	Yes	Yes	Yes
	Expansion Bus ⁴	Yes	Yes	Yes	Yes	Yes
	Video-mix ⁵	Yes	Yes	—	—	—
Screen Editor and Logic Program "GP-PRO/PBIII C-Package"		Yes	Yes	Yes	Yes	Yes
Data Collection "Pro-Server with Pro-Studio"		Yes	Yes	Yes	Yes	Yes
Web Operation "GP-Web"		Yes	Yes	Yes	Yes	Yes

■ Remote I/O (Flex Network I/O Terminal)

	Product Name	Model No.
Flex Network I/O Terminal	16-point Sink/Source Input Unit (CE, UL/c-UL(CSA))	FN-X16TS41
	8-point Sink/Source Input, 8-point Transistor Sink Output Unit (CE, UL/c-UL(CSA))	FN-XY08TS41
	8-point Relay Output, 1 Common Unit (CE, UL/c-UL(CSA))	FN-Y08RL41
	16-point Source Output Unit (CE, UL/c-UL(CSA))	FN-Y16SC41
	16-point Sink Output Unit (CE, UL/c-UL(CSA))	FN-Y16SK41
	32-point Sink/Source Input Unit (CE, UL/c-UL(CSA))	FN-X32TS41
	16-point Sink/Source Input, 16-point Transistor Sink Output Unit (CE, UL/c-UL(CSA))	FN-XY16SK41
	16-point Sink/Source Input, 16-point Transistor Source Output Unit (CE, UL/c-UL(CSA))	FN-XY16SC41
	32-point Sink/Source Input, 32-point Transistor Sink Output Unit (CE, UL/c-UL(CSA))*1	FN-XY32SKS41
	4-channel Analog Input Unit	FN-AD04AH11
	4-channel Analog Output Unit	FN-DA04AH11
	Single-axis Positioning Unit, Main Unit (CE, UL/c-UL(CSA))	FN-PC10SK41
Flex Network Cable	Single-axis Positioning Unit, Teaching Loader Unit (CE, UL/c-UL(CSA))	FN-PC10LD41
	High-Speed Counter Unit (CE, UL/c-UL(CSA))	FN-HC10SK41
	10m	FN-CABLE2010-31-MS
	50m	FN-CABLE2050-31-MS
	200m	FN-CABLE2200-31-MS

*1 Springclamp connector.

■ GLC Network I/F module

- Profibus-Master Module, CA2-PFMALL-21
- DeviceNet master Module, CA2-DNMALL-41

*1 In 256-color display mode, blinking is not available.

Please use 64-color mode if blinking is required.

*2 For connectable controllers with GLC2600T/2500T/2400T/2300T/2300L, please refer to page 11.

*3 Half Pitch 20-pin Connector

*4 Optional communication modules under development.

*5 Optional Video-mix communication module is required. (GP2000-VM41).

■ LT Series Specifications

		Type A	Type B	Type C	Type D	Type H			Type H Color
						AD	ADT	ADP	ADP
Model Number		GLC150-BG41-XY32SC-24V*1	GLC150-BG41-FLEX-24V	GLC150-BG41-RSFL-24V	GLC150-BG41-DNM-24V	AD:GLC150-BG41-ADC-24V*1 ADT:GLC150-BG41-ADTC-24V*1 ADP:GLC150-BG41-ADPC-24V*1			GLC150-SC41-ADPK-24V
External Dimensions (mm)		207W x 157H x 75.8D							
Screen Size (inch)		5.7(Blue-mode monochrome LCD) / STN Color LCD							
Display Resolution		320 x 240							
Display Color		Blue/White / 64 Color							
Touch Panel	Resistive Film	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	DIO Interface	Yes	----	----	----	Yes	Yes	Yes	Yes
Built-in Units	Flex Network I/F	----	Yes	Yes	----	----	----	----	----
	DeviceNet I/F	----	----	----	Yes	----	----	----	----
	SIO	----	----	Yes (1ch)	----	----	----	----	----
	Analog Input/Output (2ch)	----	*2 (4 channels optional)	*2 (4 channels optional)	----	Yes (Only Output 1ch)	Yes	Yes	Yes
	High-speed Counter	----	*2	*2	----	Yes	Yes	Yes	Yes
	PWM	----	----	----	----	Yes	Yes	Yes	Yes
	Thermocouple (J/K) Temperature Input	----	----	----	----	----	Yes	----	----
	Pt100 Temperature Input	----	----	----	----	----	----	Yes	Yes
LT Application Development Software "LT Editor"		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

*1: DIO Source Output Type.

*2: The following functions require the Remote I/O (Flex Network).

■ Inverters

Manufacturer	Series Name
Fuji Electronic	FRENICS500G11S
	FRENICS500P11S
	FVR-E11S
	FVR-C11S
	FREQROL-A500
Mitsubishi	FREQROL-A500L
	FREQROL-E500

Manufacturer	Series Name
Mitsubishi	FREQROL-F500
	FREQROL-F500L
	FREQROL-S500
	FREQROL-B,B3
	Varispeed G7/E7
Yaskawa	VS mini V7/J7

■ Memory Link (General-Purpose Protocol)*1

*1: Communication is possible via the LT Series (Type C only) internal memory regardless of the controller (PC, single-board controller, etc.)

■ Temperature Controllers

Manufacturer	Series Name
Fenwal Controls of Japan	AL Series
Fuji Electric	Microcontroller-X (PXR)
Omron	E5_N Digital Temperature Controller
	Modular, Dual Loop
	Temperature Controller
	CB Series
RKC	SR-Mini
	SRX
	REX-F
	LE100
	SR253
Shimaden	SR80
	SR90
	MR13
	FP93
	SD16
Shinko Technos	EM70
	C
	FC
	FIR
	GC
Toho	FCL
	PC-900
	TTM-004
	TTM-X04
	TTM-00B
	TTM-10L
	TTM-100B
	TTM-110 Series
	TTM-110B
	TTM-120 Series
Yamatake	TTM-300 Series
	TTM-300B
Yokogawa M&C	TTM-1020 Series
	SDC
	DMC
	UT100 Series
	UT2000 Series
	UT3000 Series
	GREEN Series

* A variety of other manufacturers and models are also supported. Please refer to the LT Series brochure for details.

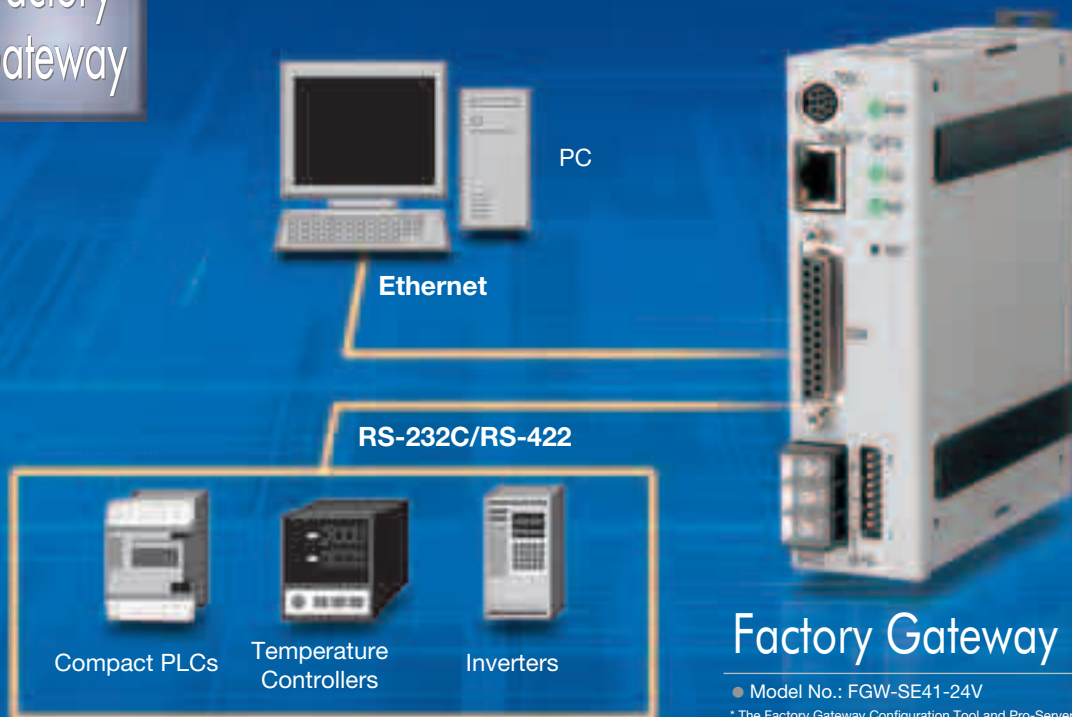
Multi -protocol Gateway

Ethernet Connectivity with Serial Devices – without Programming!

Network Your Serial Devices via Ethernet for Data Collection and Remote Monitoring!

Factory Gateway

Factory
Gateway



Factory Gateway   

• Model No.: FGW-SE41-24V

* The Factory Gateway Configuration Tool and Pro-Server with Pro-Studio Ver. 4.1 or higher software are required to enter operation settings.

Specifications

The following programless functions are possible by combining Factory Gateway with the software described below.

Function	Description	Required Software				
		Develop		Runtime		
		S	G	S	V	W
Data Collection	Protocol Conversion	○	—	○	—	—
	Data Distribution	○	—	—	—	—
Data Use	GP/GLC Communications	○	○	○	—	—
	Collection	○	—	○	△ ^{*4}	—
	Playback	○	—	○	—	—
	Application Support	○	—	○	—	—
Remote Monitoring	Remote Monitoring	○	○	○	○	—
	Enhanced Internet Monitoring	○	○	○	—	○

^{*1} Supported devices are continuously being added. For further information, refer to the Connectable Controllers list in the GP/GLC General Catalog or <http://www.pro-face.com>.

^{*2} Data transfer speed varies depending on the communications speed of Factory Gateway and the connected devices. (1s minimum)

^{*3} Requires a separate PC. No software necessary in the remote client PC.

^{*4} Certain feature restrictions apply.

S Pro-Server with Pro-Studio **G** GP-PRO/PBIII C-Package **V** GP-Viewer **W** GP-Web

Easily Use Popular PC Applications!

- **Data Collection**
Collect production data and replay the data for system analysis.
- **Data Transfer**
Transfer collected production data to common PC applications via ADO, DDE, DLL, OPC, or SQL interfaces.

Pro-Server
with Pro-Studio

Remote Monitoring by PC and by Internet

- **Factory Gateway Data**
Simple and quick remote monitoring using graphic data stored in Factory Gateway units.
- **Multi-point Remote Monitoring via a Web Server**
Build a monitoring system using the Internet or an intranet.

GP-Viewer

GP-Web

Graphic Data Editing with Windows-ready GP-PRO/PBIII Screen Editor Software

GP-PRO/PBIII
C-Package02

Easy Data Sharing without Programming!

- **Automatic Sharing of Production Data**
Link PLCs of different manufacturers without special programming.
- **Monitor and use production data collected in a GP/GLC unit from factory-floor controllers.**

Pro-face Factory Software

Feature-packed Software to meet a Variety of Manufacturing Needs

Pro-face's wide-ranging software lineup provides you with all the communication, control and screen creation tools needed to build efficient, feature-packed applications. Pro-face's Factory Software helps you get the most out of your GP hardware.



Screen Editor and Logic Program Development Software

GP-PRO/PB III
Euro-©-Package

PFE-GPPRO-CNT01EU-P*
English, French, German, Italian,
and Spanish languages Supported



Data Collection Software

Pro-Server with Pro-Studio

Pro-Server Add-on Software
GP-Viewer PSW-GV01-V**



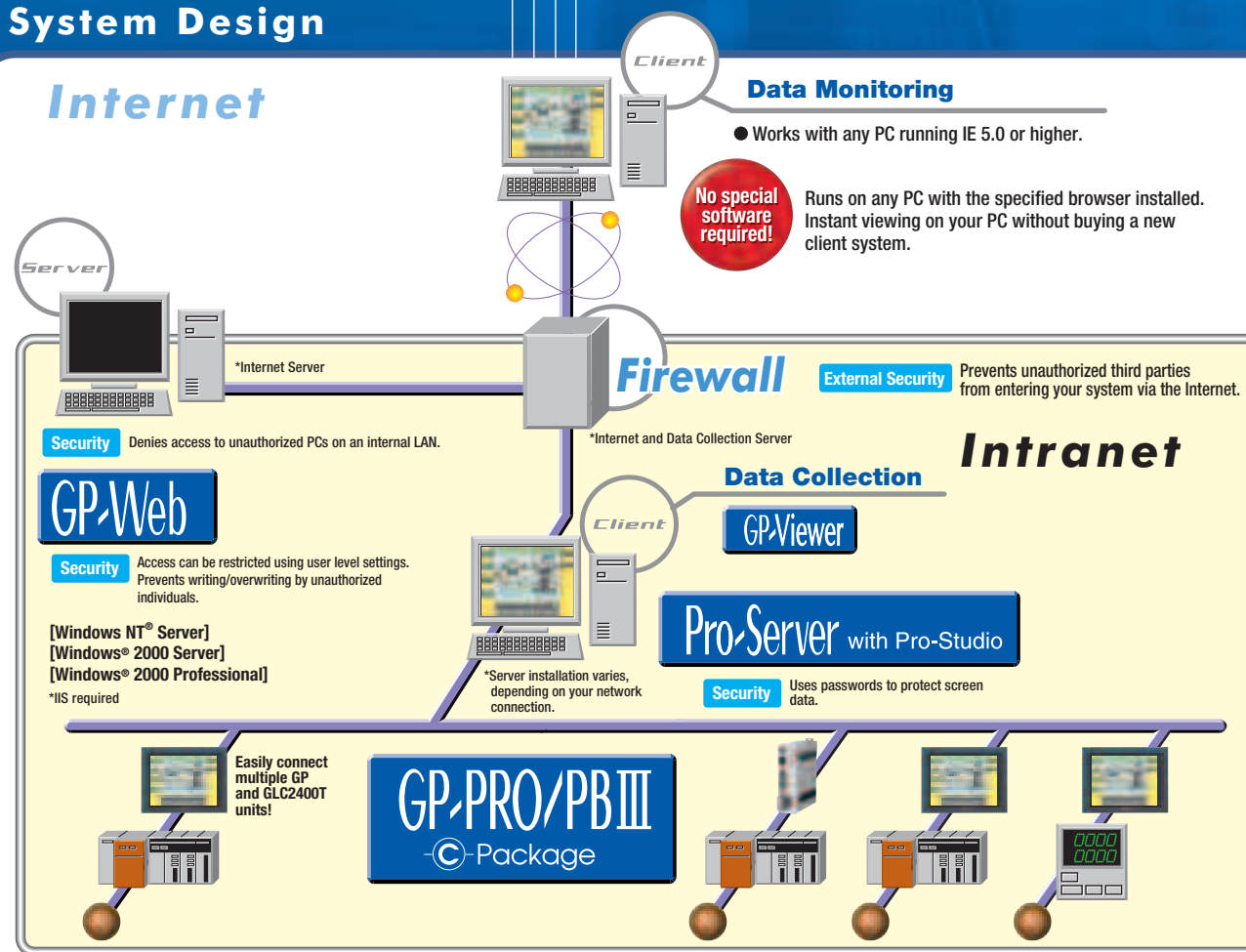
Web Operation Software

GP-Web

GW-CJ01-V**

System Design

Internet



All equipment in these lists has been tested with the GP-PRO/PBIII C-Package software (as of 01/03/2004).

PLC	Series Name	CPU	Link	Direct	Multilink
ABB	Procontic CS31	07KR91		●	
		07KR92		●	
		07KR93		●	
		07KT94		●	
	Advant AC31	07KT97	●	●	
		CU05-25		●	
		CU05-45	●	●	
		CU05-65		●	

	Series Name	CPU	Modbus
CHINO	LT series	LT230	●
		LT300	●
		LT400	
		LT450	●

	Series Name	CPU	Link	Direct
Fanuc	FANUC Series	16-MC	●	
	FANUC Power Mate (Motion Controllers)	Power Mate		●

	Series Name	CPU	Direct
FATEX	Facon FB	20MC	●
		28MC	●
		40MC	●

	Series Name	CPU	Link	Direct
GE Fanuc Automation	Series90-30	CPU311	●	●
		CPU331	●	●
		CPU360/363/364		●
		CPU313/323		●
		CPU340/341		●
		CPU350/351/352		●
		CSE311/313		●
	Series90-70	CSE323/331/340		●
		CPU731/732	●	●
		CPU771/772	●	●
		CPU780/781/782	●	●
		CPU788/789		●
		CPM915/925		●
		CPX935		●
		CGR935		●
		CPM790		●
		CSE784		●
		CSE924/925		●
		CPX772/782		●
CPX928		●		
CGR772		●		

	Series Name	CPU	Link
Matsushita Electric	Panadac 7000	P7000-PLC-001	●
		P7000-PLC-031H	●
		P7000-PLC-031S	●
		P7000-PLC-A01	●

	Series Name	CPU	Link	Direct	Multi-Link
Matsushita Electric Works/NAIS	MEWNET	FP2	●		
		FP3	●		
		FP5	●		
		FP10(S)	●		●
		FP1	●	●	
		FP-M	●	●	
		FP10SH	●		●
		FP0	●	●	
	FP3 Control Unit	FPG-C32T	●	●	
		FPG-C32T2	●	●	
		FPG-C24R2	●	●	

	Series Name	CPU	Ethernet
Meidensha	UNISEQUE	RC100	●
		ADC4000	●
		ADC7000	●

	Series Name	CPU	Link	Direct	Multi-Link	MELSEC Net/ID	Ethernet	CC-Link	
Mitsubishi	MELSEC-A	A0J2	●						
		A0J2H	●	●	●			●	
		A1N		●	●	●			
		A1S	●	●	●	●		●	
		A1SH	●	●	●	●		●	
		A1SJ	●	●	●	●		●	
		A1SJH						●	
		A1SCPUC24-R2					●		
		A2A	●	●	●	●	●	●	
		A2A-S1					●	●	
		A2CCPUC24	●	●	●				
		A2CJ-S3		●					
		A2N	●	●	●	●	●	●	
		A2N-S1						●	
		A2S					●	●	
		A2SH	●	●	●	●		●	
		A2U	●			●	●	●	
		A2U-S1		●			●	●	
		A2US	●	●	●	●	●	●	
		A2US-S1		●			●	●	
		A2USH-S1	●	●	●	●		●	
		A3A	●	●	●	●	●	●	
		A3H					●	●	
		A3N	●	●	●	●		●	
		A3U	●	●	●	●		●	
		A4U	●	●	●	●	●	●	
		MELSEC-F2		F2	●				
		MELSEC-FX	A1FX		●				
	FX0			●					
	FX0S			●					
	FX0N		●	●					
	FX1			●					
	FX1S		●	●					
	FX1n			●					
	FX1NC		●	●					
	FX2			●					
	FX2C			●					
	FX2N		●	●	●				
	FX2NC		●	●					
	Q2A		●	●	●	●	●	●	
	Q2A-S1		●	●	●	●	●	●	
	Q2AS	●	●	●	●	●	●		
	Q2ASH	●				●	●		
	Q2AS-S1	●	●	●	●	●	●		
Q3A					●	●			
Q4A	●	●	●	●		●			
Q4AR	●	●	●			●			
MELSEC-Q	Q00CPU	●		●	●	●	●		
	Q00CPU	●	●	●	●	●	●		
	Q01CPU	●	●		●	●	●		
	Q02CPU	●		●	●	●	●		
	Q02CPU-A	●	●	●			●		
	Q02HCPU	●	●	●	●	●	●		
	Q02HCPU-A	●	●	●			●		
	Q06HCPU	●	●	●	●	●	●		
	Q06HCPU-A	●	●	●			●		
	Q12HCPU	●	●	●	●	●	●		
	Q25HCPU	●	●	●	●	●	●		

* MELSECNET/10 is supported only between the PC.

	Series Name	CPU	Link
Moeller	PS4	PS4-201	●
		PS4-341	●

	Series Name	CPU	Direct	Modbus Plus(n:m)
Modicon	Modbus Master*2	—	●*3	
	884/984	884	●	●
		984A/984B	●	●

*² The GP becomes a slave. *³ The connection port varies depending on the model.

	Series Name	CPU	Link	Direct	1:n	Multi-Link	Device-Net	Ethernet	
Omron	SYSMAC C	C20H	●						
		C28H	●						
		C40H	●						
		C120	●				●		
		C120F	●						
		C200H	●				●		
		C200HS	●	●			●		
		C500	●				●		
		C500F	●						
		C1000H	●				●		
		C1000HF	●				●		
		C2000	●				●		
		C2000H	●				●		
		CQM1-CPU11		●					
		CQM1-CPU42	●	●					
		CQM1H-CPU21			●				
		CQM1H-CPU51				●			
		CQM1H-CPU61				●			
		CPM1-20CDR-A	●	●			●		
		CPM2A	●	●			●		
	CPM2C	●	●						
	SRM1-C02	●	●						
	SYSMAC α	C200HE-CPU42	●				●		
		C200HE-CPU42-Z	●						
		C200HG-CPU43	●				●		
		C200HG-CPU63	●						
		C200HX-CPU44	●						
		C200HX-CPU64	●				●		
		C200HX-CPU64-Z	●				●		
		C200HX-CPU85-Z	●						
	SYSMAC CV	CV500	●				●		
		CV1000	●						
		CVM1	●				●		
	SYSMAC CS1	CS1G-CPU42	●	●			●	●	●
		CS1G-CPU43	●	●			●	●	●
		CS1G-CPU44	●	●			●	●	●
		CS1G-CPU45	●	●			●	●	●
		CS1H-CPU63	●	●			●	●	●
		CS1H-CPU64	●	●			●	●	●
		CS1H-CPU65	●	●			●	●	●
		CS1H-CPU66	●	●			●	●	●
		CS1H-CPU67	●	●			●	●	●
		CS1G-CPU42H	●	●			●	●	●
CS1G-CPU43H		●	●			●	●	●	
CS1G-CPU44H		●	●			●	●	●	
CS1G-CPU45H		●	●			●	●	●	
CS1H-CPU63H		●	●			●	●	●	
CS1H-CPU64H		●	●			●	●	●	
SYSMAC CJ	CS1H-CPU65H	●	●			●	●	●	
	CS1H-CPU66H	●	●			●	●	●	
	CS1H-CPU67H	●	●			●	●	●	
	CJ1G-CPU44	●	●			●	●	●	
	CJ1G-CPU45	●	●			●	●	●	
	CJ1M-CPU12	●	●			●	●	●	
	CJ1M-CPU13	●	●			●	●	●	
SYSMAC CJ1M	CJ1M-CPU22	●	●			●	●	●	
	CJ1M-CPU23	●	●			●	●	●	

	Series Name	CPU	Link
ORIM VEXTA	E1	CPU11	●

	Series Name	CPU	Link	Direct	Multi-Link	Device-Net	DH+	DH 485	Remote I/O	Ethernet	
Rockwell (Allen-Bradley)	SLC500	SLC-5/01						●			
		SLC-5/02						●			
		SLC-5/03	●		●						
		SLC-5/04	●		●	●	●	●			
		SLC-5/05								●	
	PLC-5	PLC-5 Series	●							●	
		PLC-5/11	●	●							
		PLC-5/20	●	●		●	●				
		PLC-5/30	●	●							
		PLC-5/40	●	●							
		PLC-5/40L	●	●							
		PLC-5/60	●	●							
		PLC-5/60L	●	●							
	Control Logix 5000	1756-L1		●		●					●
		1756-L1M1		●		●					●
		1756-L1M2		●		●					●
		1756-L1M3		●		●					●
1756-L55M13			●		●					●	
1756-L55M14			●		●					●	
1756-L55M15			●		●					●	

Pro Series Software

Designed to Meet the Needs of Demanding HMI Environments

Pro-Designer is the answer for anyone who is looking for an easier way to design, develop, maintain and operate HMI applications. Enjoy superb device connectivity and handle multiple types of data for instant sharing.



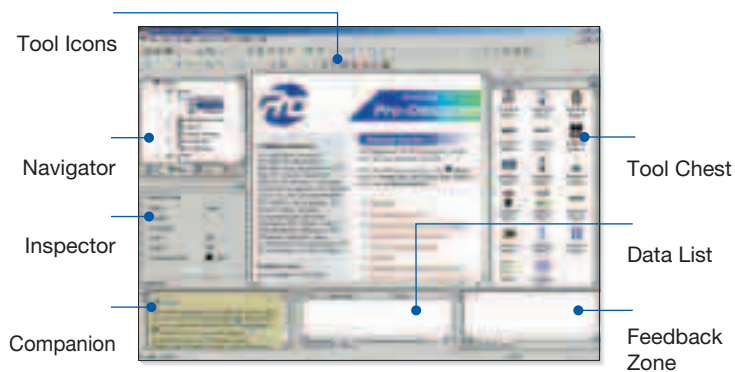
Pro-Designer's applicability to virtually all kinds of hardware is the key to building efficient production system.

Multi-platform HMI Software

Pro-Designer

PS-DWE01-V**

Easy-to-use, Full-featured Screen Creation Tools



Tool Chest

Easy-to-use "Smart Parts"

Inside the Tool Chest you'll find an array of easy-to-use "Smart Parts". Just drag and drop them to quickly create attractive, functional panels.



Tool Icons

Turn tools on and off with a single touch.

Navigator

Display project data in a logical tree structure.

Inspector

Select and display a property, then edit it directly.

Companion

Bring up advice and explanations whenever you need them.

Data List

List the name, display sequence, position, and animation settings for all objects positioned on the panel.

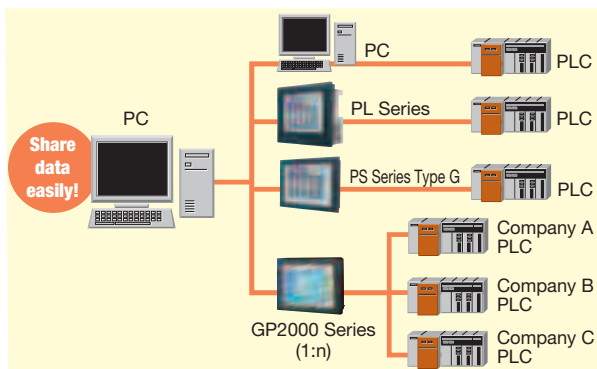
Feedback Zone

Clearly see the progress and results of each step in creating screens: building, error checking, and transferring.

Fully utilize production data and easily upgrade your system to meet new needs and applications

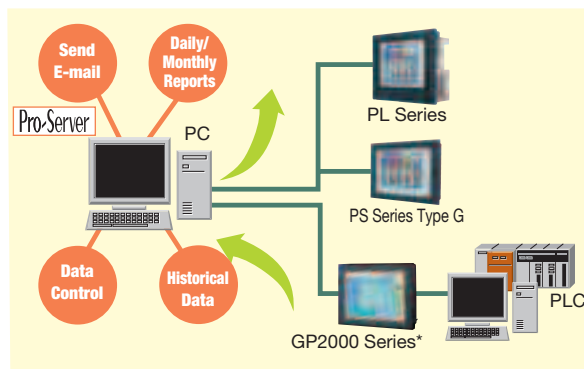
■ Unrivaled Device Connectivity allows High-Level Data Management

Easily collect data from multiple applications in a single database. "Data Sharing" expands your factory floor data management options by sharing data from multiple Pro-Designer terminals. Use APIs to exchange data between multiple VB/VC++ applications.



■ Pro-Server — Your Key to Managing Multiple Types of Data

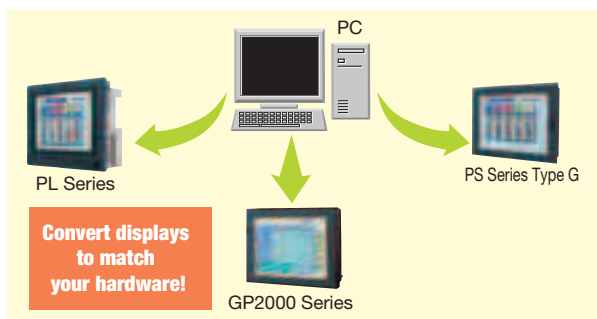
Easily connect Pro-Designer and GP systems using Pro-Server. Use a single host computer to collect data from a wide range of PLCs and panel-mount factory PCs. Effectively use all your factory's data resources.



* For details, contact your local Pro-face distributor.

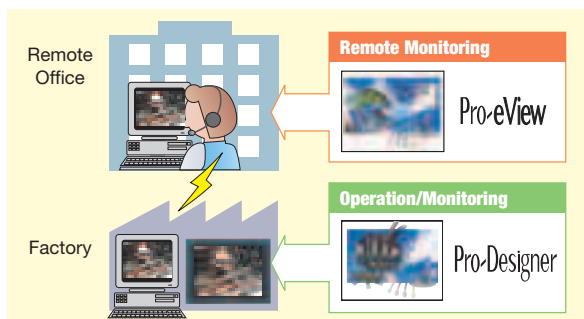
■ Target Convert

This function converts panel data to the program that suits your hardware, allowing you to use the same display panel on hardware with different panel sizes and display types. With this level of expandability, you can lower costs by using dedicated devices, change to panel computers, or take advantage of a wide variety of hardware options.



■ Remote Production Status Monitoring

Collect multiple types of data and share it instantly via a LAN or Internet network. Monitor factory data from anywhere at anytime.



A Long List of Compatible Hardware

PL SERIES



PS SERIES



GP SERIES



Models Compatibility with Pro-Designer Ver. 4.0 (under development)

- Entire GP2000 Series Line

Ultra Reliable - Performance You Can Trust

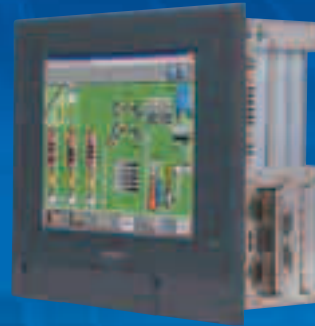
A complete all-in-one system, this series is fully equipped with the features of a personal computer, including main unit, display, touch panel and data storage drive. These panel computers conserve space and improve work efficiency, while their high quality touch-panel screen makes them the ideal choice for industrial applications.

PL
SERIES

PL-5900T



- Screen Size: 10.4 inch
- Resolution: 640 x 480 pixels (VGA)
- Display Type: TFT Color LCD
- Touch Panel: Resistive Film
- CPU: AMD-K6-IIIIE+500MHz
- OS: MS-DOS, Windows 95/98/NT/2000
- RAM Memory: 64MB (MAX 256MB)
- Interfaces: 10/100 BASE-T/USB



PL-5900T

PL-6920T/PL-6921T



- Screen Size: 12.1 inch
- Resolution: 800 x 600 pixels (SVGA)
- Display Type: TFT Color LCD
- Touch Panel: Resistive Film
- CPU: Pentium III 700MHz/1 GHz
- OS: Windows 95/98/NT/2000/XP
- RAM Memory: 128MB (MAX 256MB)
- Interfaces: 10/100 BASE-T/USB



PL-6920T

PL-7920T/PL-7921T



- Screen Size: 15 inch
- Resolution: 1024 x 768 pixels (XGA)
- Display Type: TFT Color LCD
- Touch Panel: Resistive Film
- CPU: Pentium III 700MHz/1 GHz
- OS: Windows 95/98/NT/2000/XP
- RAM Memory: 128MB (MAX 256MB)
- Interfaces: 10/100 BASE-T/USB

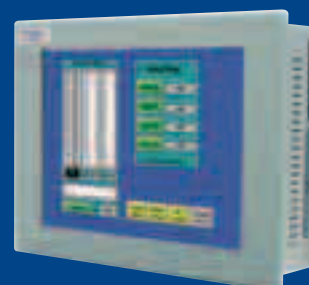


PL-7920T

PL-3115T



- Screen Size: 15 inch
- Resolution: 1024 x 768 pixels (XGA)
- Display Type: TFT Color LCD
- Touch Panel: Resistive Film
- CPU: Celeron 1.2 GHz
- OS: Windows 95/98/NT/2000/XP
- RAM Memory: 256MB (MAX 512MB)
- Interfaces: 10/100 BASE-T/USB



PL-3115T

Windows® CE Industrial PCs

PS
SERIES

Maximize Use of Your Custom Applications

PS Series Type G computer systems eliminate the need for hard disk drives and enable you to run custom applications developed with Windows® CE software development tools. The lack of a mechanical hard disk makes them safe to use, even in harsh production environments, without worrying about crashes and data loss.

PS-400G



- Screen Size: 7.4 inch
- Resolution: 640 x 480 pixels (VGA)
- Display Type: TFT Color LCD
- CPU: SH-4 200MHz
- OS: Windows CE 3.0

PS-600G



- Screen Size: 12.1 inch
- Resolution: 800 x 600 pixels (SVGA)
- Display Type: TFT Color LCD
- CPU: SH-4 200MHz
- OS: Windows CE 3.0



PS-400G

PS-600G



NEW

PS-1000B

PS-1000B



- CPU: NS GeodeGX1 300MHz
- OS: WindowsCE.NET, Linux
- Main Memory: 128MB
(It Corresponds Individually)



PS-2000B



PS-2000B-6S

PS-2000B/PS-2000B-6S

- CPU: Pentium III 1GHz/ Celeron 566MHz
- OS: Windows2000/2000ML/XP (PS-2000B)
Windows2000/XP (PS-2000B-6S)
- RAM Memory: 128MB (MAX 256MB)
- Slots: 3 slots (PS-2000B)
6 slots (PS-2000B-6S)



PS-3700A/PS-3701A

- Screen Size: 15 inch
- Resolution: 1024x 768pixels (XGA)
- Display Type: TFT Color LCD
- Touch Panel: Resistive film
- CPU: Pentium4 1.7GHz/Eden™ ESP 6000 667MHz
- OS: Windows 2000/XP
- RAM Memory: Pentium type: 256 Mb (max. 512 Mb)
Eden type: 128 Mb (max. 256 Mb)
- Interface: 10/100 BAST-T/USB
(Under development: CE.NET, Windows XP
embedded models)



NEW

PS-3700A



NEW

PS-3701A

Specifications

		PL-5900 Series	PL-6920 Series				PL-7920 Series				PL-3115T	PS3700 Series			PS-Box Series		PS-Series Type G	
Model Number		PL-5900-T42	PL-6920-T41	PL-6921-T41	PL-6920-T42	PL-6921-T42	PL-7920-T41	PL-7921-T41	PL-7920-T42	PL-7921-T42	PL-3115T	PS-3700A	PS-3701A	PS-3700A-P4	PS-2000B-C566	PS-2000B-C1G	PS-600G	PS-400G
Screen Size		10.4 TFT Color LCD	12.1 TFT Color LCD				15 TFT Color LCD				15 TFT Color LCD	15 TFT Color LCD			—		12.1 TFT Color LCD	7.4 TFT Color LCD
Graphics		VGA (640 x 480)	SVGA (800 x 600)				XGA (1024 x 768)				XGA (1024 x 768)	XGA (1024 x 768)			VGA(640 x 480) to UXGA (1600 x 1200) *use SVGA or upper for Windows XP		SVGA (800 x 600)	VGA (640 x 480)
Supported OS Type		Windows 95/98/NT/2000	Windows 95/98/NT/2000/XP				Windows 95/98/NT/2000/XP				Windows 95/98/NT/2000/XP	Windows 2000/XP			Windows 2000/XP		Windows CE 3.0 English	
CPU		AMD-K6-IIIe+ 500MHz	Pentium III 700MHz		Pentium III 1GHz		Pentium III 700MHz		Pentium III 1GHz		Celeron 1.2 GHz	Eden TM ESP 6000 667MHz		Pentium 4, 1.7 GHz	Celeron 566MHz	Pentium 3, 1GHz	SH-4 200MHZ	
DRAM (SDRAM DIMM)		64MB (2 DIMM sockets-Max 256MB)	128MB (2 DIMM sockets-Max 256MB)				128MB (2 DIMM sockets-Max 256MB)				256 MB (2 DIMM socket-Max 512MB)	128/256MB (1 DIMM socket-Max 256 MB)		128/256/512 MB (1 DIMM socket-Max 512MB)	128/256 MB (1 DIMM socket-Max 256MB)		32 MB	32 MB
BIOS		AWARD PC/AT Compatible	AWARD PC/AT Compatible				AWARD PC/AT Compatible				AWARD PC/AT Compatible	Phoenix Award BIOS	First BIOS		First BIOS		—	—
Secondary Cache Memory		256 KB	256 KB				256 KB				256 KB	512 KB			128 KB	256 KB	—	—
Video Memory		UMA Type	UMA Type				UMA Type				AGP VGA Controller	UMA Type			UMA Type		—	—
Backlight		CFL (Replaceable)	CFL (Replaceable)				CFL (Replaceable)				—	CFL (Replaceable)			—		CFL (user replaceable)	
Touch Panel	Type	Resistive Film (Analog)	Resistive Film (Analog)				Resistive Film (Analog)				Resistive Film (Analog)	Resistive Film (Analog)			—		Resistive Film (Analog)	
	Resolution	1024 x 1024	1024 x 1024				1024 x 1024				1024 x 1024	1024 x 1024			—		1024 x 1024	1024 x 1024
	Interface	COM 4 (Via Mouse Emulator Software)	COM 4 (Via Mouse Emulator Software)				COM 4 (Via Mouse Emulator Software)				COM 3	COM 4 (Via Mouse Emulator Software) or USB	USB	COM 4 (Via Mouse Emulator Software) or USB	—		—	
Interface	General	COM x 3 (RS232C with FIFO), PS/2 Keyboard x 2, PS/2 Mouse x 1	COM x 3 (RS232C with FIFO), Parallel x 1, PS / 2 Keyboard x 2, PS / 2 Mouse x 1				COM x 3 (RS232C with FIFO), Parallel x 1, PS / 2 Keyboard x 2, PS / 2 Mouse x 1				COM x 3 (RS232C with FIFO), RS232 or RS422 485 Port x 1, Parallel x 2, PS / 2 Keyboard x 1, PS / 2 Mouse x 1	COM x 4 (RS232C with FIFO), Printer x 1, PS / 2 Keyboard x 1, PS / 2 Mouse x 1	COM x 2 (RS232C with FIFO), Printer x 1, PS / 2 Keyboard x 1, PS / 2 Mouse x 1	COM x 4 (RS232C with FIFO), Printer x 1, PS / 2 Keyboard x 1, PS / 2 Mouse x 1	COM x 4(RS232C with FIFO), Video x 1, Keyboard x 1, PS/2 Mouse x 1		COM x 2 (RS232C)	
	USB	Front x 1, Side x 1 (for Windows 95/98/2000)	Side x 2, Front x 1				Side x 2, Front x 1				5 x USB	Front x 1, Rear x 2			Front x 4		2	1
	Ethernet	10 Base-T /100 Base TX	10 Base-T/ 100 Base TX				10 Base-T/ 100 Base TX				10 Base-T /100 Base TX	10 Base-T/ 100 Base TX			10 Base-T/ 100 Base TX		10 Base-T	
	RAS	Dsub 25-Pin, male	Dsub 25-Pin, male				Dsub 25-Pin, male				—	—			Dsub 25-Pin, male		Dsub 15-Pin, male	
	PCMCIA	—	—				—				—	Type II, Side x 2 ports			—		—	
	CF-Card	—	—				—				—	—			—		1 Port	
	Sound	—	—				—				—	Standard Type AUDIO jack			Standard Type AUDIO jack		Standard Type AUDIO jack	
	Video	—	—				—				—	—			DVD-I x 1, RGB x 1		—	
	PCI	—	—				—				—	Rev. 2.2 compatible	—	Rev. 2.2 compatible	—		—	
	Floppy Disk Drive	2-mode 3.5 inch FDD, Front access	2-mode 3.5 inch FDD, Side x 1, Front x 1	2-mode 3.5 inch FDD, Side x 1	2-mode 3.5 inch FDD, Side x 1, Front x 1	2-mode 3.5 inch FDD, Side x 1	2-mode 3.5 inch FDD, Side x 1, Front x 1	2-mode 3.5 inch FDD, Side x 1	2-mode 3.5 inch FDD, Side x 1, Front x 1	2-mode 3.5 inch FDD, Side x 1, Front x 1	2-mode 3.5 inch FDD, Side x 1	3.5 inch FDD drive	2-mode 3.5 inch FDD, Side access	—	2-mode 3.5 inch FDD, Side access	2-mode 3.5 inch FDD		—
CD-ROM Drive	IDE-Type, Rear access	IDE-Type, Rear access				IDE-Type, Rear access				Built in CD-ROM Drive	IDE-Type, Side access	Rear x 1	IDE-Type, Side access	IDE-Type, Secondary CD-ROM		—		
External Dimentions		311W x 271H x 130D	346W x 287H x 170D	346W x 287H x 123D	346W x 287H x 170D	346W x 287H x 123D	374W x 325H x 180D	374W x 325H x 134D	374W x 325H x 180D	374W x 325H x 134D	410W x 309H x 93.4D	395W x 294H x 100D	395W x 294H x 60D	395W x 294H x 100D	118W x 265H x 299D		317W x 243H x 58D	215W x 170H x 60D

Industrial Flat Panel Monitors

The Ideal Choice for Use in Harsh Industrial Environments

These lightweight flat-panel displays are ideal for installation in a panel, or where space is hard to find. Tougher than ordinary office displays, they are ideal for use in locations subject to water, oil and dust, and can fully replace a conventional CRT.

FP
SERIES



FP-2500T

FP-2500T CE UL cUL

- Screen Size: 10.4 inch
- Resolution: 640 x 480 pixels (VGA)
- Display Type: TFT Color LCD
- Supported OS: Windows 95/98/NT/2000/XP



FP-2600T

FP-2600T CE UL cUL

- Screen Size: 12.1 inch
- Resolution: 800 x 600 pixels (SVGA)
- Display Type: TFT Color Display
- Supported OS: Windows 95/98/NT/2000/XP

NEW



FP-3700

FP-3700 CE UL cUL

- Screen Size: 15 inch
- Resolution: 1024 x 768 pixels (XGA)
- Display Type: TFT Color Display
- Supported OS: Windows 95/98/NT/2000/XP

FP SERIES



Large Display: Xycom Products



STX-1811A (SXGA) CE

- Screen Size: 18.1 inch
- Resolution: 1280 x 1024 pixels
- Display Type: TFT Color LCD



STX-2011A (SXGA) CE UL cUL

- Screen Size: 20.1 inch
- Resolution: 1280 x 1024 pixels
- Display Type: TFT Color LCD

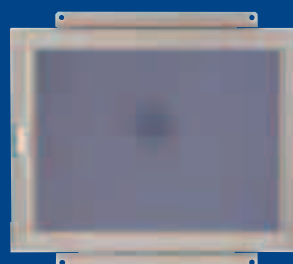
Open Frame series (It Corresponds Individually)



UF-5310 (VGA)

- Screen Size: 6.5 inch
- Resolution: 640 x 480 pixels
- Display Type: TFT Color LCD

CE



UF-7820 (XGA)

- Screen Size: 15 inch
- Resolution: 1024 x 768 pixels
- Display Type: TFT Color LCD

CE UL cUL